

Basic Podcasting Techniques

Brian Sailer

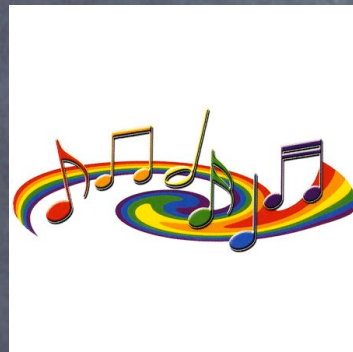
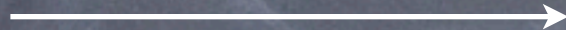
drsailer@gmail.com or bsailer@cnm.edu

<http://w3.cnm.edu/~bsailer>

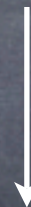
Basic Workflow

- Record lecture
- Covert audio to acceptable format
- Upload audio to hosting service
- Create subscription link to audio file

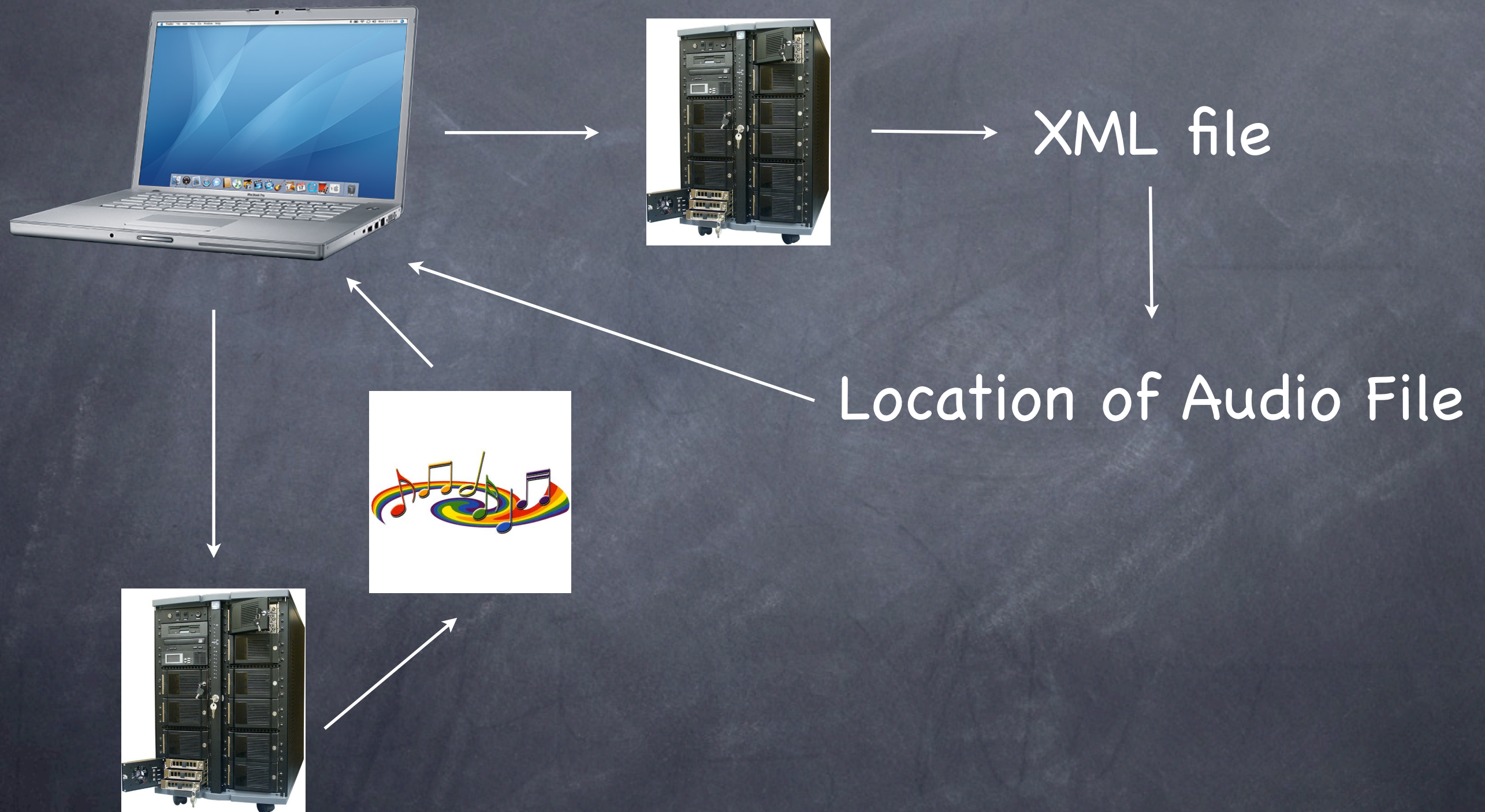
Basic Workflow



XML file

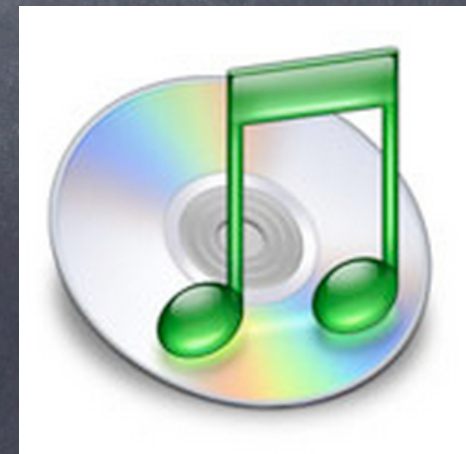
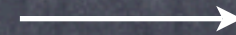
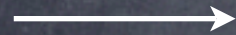


Downloading Podcast



Recording Lecture

- Directly into computer
- Digital recorder that will download to computer for audio conversion



Using iPod as Voice Recorder

• Pros

- Platform agnostic
- Easy to Use
- Ease of downloading and converting audio
- Large storage

• Cons

- Expensive
- Medium quality
- Extra cost for recorder
- Music

Audio Conversion

- Convert files to format usable on computers and all .mp3 players – .mp3 format
- Edit or not?
- iTunes
- Garageband
- Audacity w/Lame

Audio Conversion with iTunes

• Pros

- Free
- Easy
- Works well with iPod recording

• Cons

- No editing
- Slow on slow machines

Hosting Files

- Audio Files

- Very large files
- Free hosts
- Pay for Storage hosts
- Internet Archive

- XML files

- Subscription files (RSS)
- Small files
- w3.cnm.edu (login.cnm.edu)

XML Files

- RSS – really simple syndication
- Pointer files
 - RSS reader uses pointer file to find content (audio, video, .pdf, etc)
- RSS reader software downloads content based on information in XML file

XML Files

- Plain text files
 - Textedit on Macintosh
 - Notepad on Windows
- Consist of several parts
 - Very picky!
- Easy to update with cut/paste


```
<?xml version="1.0"?>
<rss version="2.0">
<channel>
<title>Title of Podcast (class name)</title>
<description>Basic description of podcast</description>
```

```
<item>
<title>Title of episode</title>
<description>Description of episode</description>
<link>link to website or file</link>
<enclosure url="full link to content - note type determines what can go in enclosure"
type="audio/mpeg"/>
</item>
```

```
</channel>
```

```
</rss>
```


What Next?

- Distribute link to xml file to students
 - Website, syllabus, class handout
- Students are now responsible for downloading the files on a regular basis

Student Responsibility

- Download RSS feed reader – iTunes
- Copy or write down link to instructors xml file
- In iTunes:
 - Click Advanced menu item
 - Choose Subscribe to Podcast
 - Copy xml link into box that appears
 - Regularly refresh subscription from podcast page

Steps to Follow:

1. Download audio
2. Convert to .mp3 in iTunes
3. Upload audio to host
4. Edit xml file
5. Upload xml file to host
6. Subscribe to podcast in iTunes
7. Download audio file

Questions



Links to Software & Services

- Apple iTunes

- <http://www.apple.com/itunes/>

- Internet Archive

- <http://www.archive.org/index.php>

- CNM w3 server account creation

- <http://www.cnm.edu/depts/cit/accounts/web/student.php>

Links to Software & Services

- SSH for Windows computers

- <http://sshwindows.sourceforge.net/download/>

- Cyberduck for Macintosh Computers

- <http://cyberduck.ch/>

- Dr. Sailer's Podcasting Page

- <http://myweb.cableone.net/bsailer/podcasts.html>

Brian's Contact Information

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